

### **Request for First Extension of Time**

Applicants hereby request a first extension of time for reply of one month under 37 CFR 1.137(a)(1) and authorizes the Commissioner to charge our deposit account (09-0463) the requisite fees under 37 CFR 1.17(a)(1).

### **Office Action of December 28, 2005**

#### **1. Claim Objections and Rejections Under 35 USC 112**

- a. Claim 1 was objected to because of informalities.
- b. Claims 1, 2, and 4-7 were objected to for failing to point out and distinctly claim the subject matter which applicant regards as the invention.

#### **2. Rejections Under 35 USC 102.**

Claims 1, 4, and 6 were rejected under 35 USC 102(e) as being anticipated by US Published Patent Application 20020138617 to Christfort as follows

Claim No.	Christfort
1	¶0059, ¶0063, ¶0087, ¶0163, ¶0091, ¶0164, ¶0168
4	¶0059, ¶0063, ¶0087, ¶0163, ¶0091, ¶0164, ¶0168
6	¶0059, ¶0063, ¶0087, ¶0163, ¶0091, ¶0164, ¶0168

#### **3. Rejections Under 35 USC 103.**

Claims 2, 3, 5, and 7 were rejected under 35 USC 103(a) as being unpatentable over Christfort as applied to claims 1, 4, and 6 and further in view of US Patent 6,223,180 to Moore.

Claim No.	Christfort	Moore
2	¶0059	Col. 7/16-18, Col.2/64-65
3	¶0004, ¶0063	Fig. 2, item 26
5	¶0059	Col. 7/16-18, Col.2/64-65
7	¶0059	Col. 7/16-18, Col.2/64-65

### **Remarks/Arguments**

With reference to the Office Action of December 28, 2005, Applicants offer the following remarks.

#### **The Art of Record**

United States Patent Application 20020138617 to Christfort et al for Providing Content From Multiple Services describes a method and apparatus for providing a network based operating system for mobile clients. Services may be developed that can be used to support different client devices with different capabilities. The services provide output with multiple variations based on different devices, and an intermediary selects the variation best suited for the requesting device. An online software development system is provided to allow services to create, edit, test, and deploy applications at an intermediary using only a browser at the client end. Christfort et al. describe that services may also be provided that can be accessed and referred to by other services, facilitating the combining of different services. Services may also store and access data at an intermediary using variables and a mapping of the stored data to the variables. Data stored at the intermediary may be used to allow an end user to return to a previously accessed service.

Specific paragraphs of Christfort et al. cited in the Office Action include paragraph [0004]<sup>1</sup>, paragraph [0059]<sup>2</sup>, paragraph [0063]<sup>3</sup>, paragraph [0087]<sup>4</sup>, [0091]<sup>5</sup>, [0094]<sup>6</sup>, [0163]<sup>7</sup>, and [0164]<sup>8</sup>.

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<sup>1</sup> [0004] Users of the World Wide Web use a client program, referred to as a browser, to request, decode and display information from listeners. When the user of a browser selects a link on an HTML page, the browser that is displaying the page sends a request over the Internet to the listener associated with the Universal Resource Locator (URL) specified in the link. In response to the request, the listener transmits the requested information to the browser that issued the request. The browser receives the information, presents the received information to the user, and awaits the next user request.

<sup>2</sup> [0059] Techniques are provided for facilitating the creation and deployment of applications that are used to provide services for access by devices such as mobile clients. These techniques include the development of applications that can be executed on a variety of devices by tailoring the output, after it has been generated by the application, based on the particular circumstances of the end user's use of the application, such as the capabilities of a mobile client or the network conditions existing at the time a customer requests service from the application. Also, these techniques include combining the output, capabilities, and features of services together, including techniques for allowing an end user to return to a previously accessed service. In addition, these techniques include storing data at an intermediary for access by the applications associated with a service using variables and a mapping of the variables to the stored data.

<sup>3</sup> [0063] Host server 110 may be implemented on one or more servers at an intermediary, such as a hosting service provider, also known as a host provider or simply as a host. The function of the host is to install and maintain applications, such as on host server 110, that are developed by either the host provider or other application developers. The applications are typically part of a service, such as a web site, a paging service, or a telecommunications service. The host may also provide "partial" or "shared" hosting of applications in which the applications are stored on servers associated with the application developer or service provider, but the applications may be accessed via the host. Partial or shared hosting of applications is distinguished from portal applications that are stored on servers associated with the application developer or service provider but which are not accessed via the host. End users access the services offered by other parties and companies via the host by interacting with the hosted and partially hosted applications.

<sup>4</sup> [0087] The deployment of a hosted application may involve several steps, such as initially creating the application, subsequently editing of the application, and testing of the application. In one embodiment, to create a hosted application, the development website provides the developer or user with an interface for writing and editing code for the application. The interface may include an editing window or edit field that the user may use to type in the code for the application. Similarly, to edit an existing application, the user is presented with an interface that displays the existing application code to the user in an editing window that allows the user to edit the code of the selected application.

<sup>5</sup> [0091] Accorded to another embodiment, both the application code for a hosted application and the code that causes the generation of the user interface used to enter and edit the code are stored on one or more servers associated with the development provider. Consequently, the only clientside software required to develop and deploy a mobile application is a web browser, such as Netscape Navigator.

United States Patent 6,223,180 to Moore et al. for System And Computer Implemented Method For Transforming Existing Host Based Screen Applications Into Components Useful In Developing Integrated Business Centric Applications describes a system and method in a computer system having a repository for storing data. The method is implemented by the computer system. The method encodes display, entry fields and static text of a screen application (screen data) into Host Reply Definition (HRD), Request (REQ) and recognition files. These are then stored in the repository. A graphical user interface program is used for building and transforming the HRD, REQ and files stored in the repository into components. Next, the HRD, REQ and recognition files are extracted from the repository and associated with the screen application. The attributes of these

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<sup>6</sup> [0094] In another embodiment, to create a shared hosted application, the user writes either a portaltogo XML document or an application program that generates a portaltogo XML document as output. The terms "partially hosted application" or the "shared hosted application" may be used to refer either to the XML document or the application that generates an XML document as output. The shared hosted application may be saved, for example, at the application developer's own website. The user then associates a URL with the shared hosted application using, for example, an HTTP listener/web server that services the application developer's web site. The shared hosted application is then added as a "service" by logging into the development website, or the SDK website, and providing the name of the service and the URL associated with the shared hosted application.

<sup>7</sup> [0163] FIG. 4 is a block diagram illustrating an example of producing output using a shared hosted application, according to one embodiment of the invention. FIG. 4 illustrates a client device 410, such as a laptop computer or mobile phone, that is connected to an HTTP listener 420, such as a web server that provides web pages in response to requests. HTTP listener 420 may provide client device 410 with a web page containing a list of services associated with a hosting service 430. Upon selection of a particular service by client device 410, HTTP listener 420 sends a request for the particular service to a service linker 432 that is part of hosting service 430. Service linker 432 may be implemented on one or more servers associated with hosting service 430. Upon receipt of the request, service linker 432 identifies the service or application that is the subject of the request and forwards the request from client device 410 to a service provider 440.

<sup>8</sup> [0164] Service provider 440 includes an HTTP server 442 for handling communications between service provider 440 and other servers, such as service linker 432 or servers linked together as part of the Internet. Service provider 440 also includes an application server 446 for directing requests received by HTTP server 442 to the appropriate application.

files are written into a type library, forming the software components. After this, the recognition file is stored in a directory structure independent of the repository. Finally, the components are registered in a registry for recognition by other applications and components.

Specific provisions of Moore et al. cited in the Office Action include Column 4, lines 62-65<sup>9</sup>, and Column 7, lines 16-18<sup>10</sup>

### **Applicants' Claimed Invention**

#### **Status of the Claims.**

In the Office Action of December 28, 2005 all of the claims were rejected. The claims have been amended.

#### **Exemplary Claim**

Claim 1, as amended, is exemplary.

1. (Currently Amended) A method of rendering an object from a text and numeric centric line of business application to a graphical user interface centric content manager client application comprising:

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<sup>9</sup> The stored attributes are saved in partitions in the repository 16 and organized into certain files identified as an HRD (Host Reply Definition) file 22, which is a flat file that contains reply information for each field in a screen; a REQ (or Request) file 23, which is a flat file that stores information requested by the system for each field; and, a RECOGNITION file 24, which is a flat file that associates a screen object with recognizable text. The RECOGNITION file 24 contains a list of identifiers for the screens. The HRD and REQ files are used to build type libraries that contain detailed information about a screen display.

<sup>10</sup> Referring now to FIG. 4, a print of the User Interface for the present invention (i.e., the component builder). The process is begun by using the pull down menu 38.

- a. requesting the object from a line of business application;
- b. the line of business application initiating an associated host initiated display application program interface, and calling a workstation listener;
- c. a content manager host sending customer application request to a workstation listener;
- d. the workstation listener launching an associated content manager graphical user interface client;
- e. the content manager graphical user interface client building a request for the object and sending the request to the associated content manager application for the associated host initiated display; and
- f. the content manager application responding to the interface centric content manager client and rendering the object to the user.

### Discussion

1. The Objections and Rejections Under 5 USC 112 have been obviated by the Present Amendment

- a) The period at the of claim 1(a) has been cancelled.
- b) The terms “host initiated display”, “application program”, “content manager” have been more precisely defined.
- c) The proper reference terms, e.g., “a” and “the” as appropriate, have been added.

2. The Pending Claims, As Amended, Are Properly Allowable to Applicants Over The Art of Record

Turning first to Christfort, applicants' claims recite a method of rendering an object from a text and numeric centric line of business application to a graphical user interface centric content manager client application by the claimed steps of requesting the object from a line of business application; with the line of business application initiating an associated host initiated display application program interface, and calling a workstation listener. Next, Applicant's claims recite a content manager host sending the customer application request to a workstation listener, and the workstation listener launching an associated content manager graphical user interface client. The content manager graphical user interface client is then claimed to building a request for the object and send the request to the associated content manager application for the associated host initiated display. Applications claims next recite the content manager application responding to the interface centric content manager client and rendering the object to the user.

Applicant's claimed invention is materially different from Christfort's disclosure of

"[0059] Techniques are provided for facilitating the creation and deployment of applications that are used to provide services for access by devices such as mobile clients. These techniques include the development of applications that can be executed on a variety of devices by tailoring the output, after it has been generated by the application, based on the particular circumstances of the end user's use of the application, such as the capabilities of a mobile client or the network conditions existing at the time a customer requests service from the application. Also, these techniques include combining the output, capabilities, and features of services together, including techniques for allowing an end user to return to a previously accessed service. In addition, these techniques include storing data at an intermediary for access by the applications associated with a service using variables and a mapping of the variables to the stored data."

Christfort discloses that

"[0063] Host server 110 may be implemented on one or more servers at an intermediary, such as a hosting service provider, also known as a host provider or simply as a host. The function of the host is to install and maintain applications, such as on host server 110, that are developed by either the host provider or other application developers. The applications are typically part of a service, such as a web site, a paging service, or a telecommunications service. The host may also provide "partial" or "shared" hosting of applications in which the applications are stored on servers associated with the application developer or service provider, but the applications may be accessed via the host. Partial or shared hosting of applications is distinguished from portal applications that are stored on servers associated with the application developer or service provider

but which are not accessed via the host. End users access the services offered by other parties and companies via the host by interacting with the hosted and partially hosted applications.”

Partial or shared hosting is not the conversion of legacy applications as claimed by Applicants, i.e. “method of rendering an object from a text and numeric centric line of business application to a graphical user interface centric content manager client application.”

The development environment described in Christfort, paragraph [0087] described a development process (i.e., “In one embodiment, to create a hosted application, the development website provides the developer or user with an interface for writing and editing code for the application. The interface may include an editing window or edit field that the user may use to type in the code for the application. Similarly, to edit an existing application, the user is presented with an interface that displays the existing application code to the user in an editing window that allows the user to edit the code of the selected application.”) is not Applicant’s claimed “method of rendering an object from a text and numeric centric line of business application to a graphical user interface centric content manager client application” nor is it the hosted application of [0091] or [0094].

Paragraph [0163] describes

“[0163] FIG. 4 is a block diagram illustrating an example of producing output using a shared hosted application, according to one embodiment of the invention. FIG. 4 illustrates a client device 410, such as a laptop computer or mobile phone, that is connected to an HTTP listener 420, such as a web server that provides web pages in response to requests. HTTP listener 420 may provide client device 410 with a web page containing a list of services associated with a hosting service 430. Upon selection of a particular service by client device 410, HTTP listener 420 sends a request for the particular service to a service linker 432 that is part of hosting service 430. Service linker 432 may be implemented on one or more servers associated with hosting service 430. Upon receipt of the request, service linker 432 identifies the service or application that is the subject of the request and forwards the request from client device 410 to a service provider 440.”

While using similar words and phrases, describes a materially different process than Applicants’ claimed process, and there is no disclosure of Applicants’ claimed “rendering an object from a text and numeric centric line of business application to a graphical user interface centric content manager client application.”



Moore et al. do not overcome the fundamental shortcomings of Christfort, with the cited provisions of Moore, column 4, lines 62-65<sup>11</sup>, and column 7, lines 16-18<sup>12</sup> neither teaching nor suggesting as aspect of Applicant's claimed invention.

It is submitted that the claims now pending are properly allowable to Applicants.

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<sup>11</sup> See Footnote 9, above.

<sup>12</sup> See Footnote 10, above.



### Conclusion

Based on the above discussion, it is respectfully submitted that the pending claims describe an invention that is statutory subject matter and is properly allowable to the Applicants.

If any issues remain unresolved despite the present amendment, the Examiner is requested to telephone Applicants' Attorney at the telephone number shown below to arrange for a telephonic interview before issuing another Office Action.

Applicants would like to take this opportunity to thank the Examiner for a thorough and competent examination and for courtesies extended to Applicants' Attorney.

Respectfully Submitted

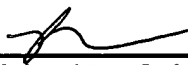
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